



## NORTHWEST GEOLOGICAL SOCIETY

A regional association of professionals, students, & others interested in geology  
Please visit [www.nwgs.org](http://www.nwgs.org) for more about us

### April, 2021 Newsletter

Volume 35, Number 4

#### April 13 Program Speaker

**Zoom meeting link will be in the meeting reminder email to registered members prior to the meeting. If you are not a member, please email [nwgs.secretary.com](mailto:nwgs.secretary.com) for the link.**

Reservations are not needed (we may now host up to 500 participants!)

**6:30pm:** social hour small group break-out sessions; **7:30pm:** announcements and speaker program

**Speaker:** Pat Pringle, Centralia College Emeritus, *Buried and submerged forests of the Pacific Northwest—Clues to ancient volcanic eruptions, earthquakes, and landslides*

**Abstract:** This presentation will be a snapshot tour of selected sites where subfossil trees have been found. I'll review my investigations and those of colleagues who have been using tree-ring analysis to unravel mysteries about the timing of ancient eruptions, earthquakes, and landslides of the Pacific Northwest. This tour will include updates about recent and/or ongoing dating work at Mounts Hood and Rainier, in the Columbia River Gorge, the Puget Lowland, Cascade Range, and Olympic Mountains.

**JOIN THE PROGRAM VIA ZOOM!** Join the program by clicking the link above. There is no cost, and a reservation is not needed. You may join for both the social hour and the speaker program, or just the speaker program, **limited to the first 100 attendees**. During the speaker presentation, your microphone will be muted by the program host, but it is your option as to whether or not to mute your camera. A Q&A session will follow the presentation. During the presentation, click the **Chat** link at the bottom of the screen to type a comment or question to the general audience, or the **Raise my hand** link to directly ask the speaker a question or make a comment and the host will call on you.

Click on the **Zoom link** above to join the meeting

See [www.nwgs.org](http://www.nwgs.org) for the full Zoom information.

#### Upcoming Speakers and Field Trips

**May 11:** Paul Belanger, Sound Water Steward, Paleooceanographic history that led to our understanding of Cenozoic climate history and changing impact for the Pacific Northwest

**Fall, 2021 Field Trip:** Sept. 18-19, Sky Cooley, field trip to the Othello, Wash., area.

If you would like to volunteer to give a talk or lead a field trip for NWGS, please contact President [Chris Kimmel](#).

Please see the [NWGS website](#) for detailed announcements

Contact webmaster [Julie Masura](#) if you have any announcements to post on the website.

## Announcements

- Please consider volunteering for the upcoming President-Elect vacancy or one of the other at-Large Board positions. For more information to volunteer, please Contact President [Chris Kimmel](#).
- The Association of Environmental & Engineering Geologists Foundation (AEGF) is seeking student scholarship donations. Donate at <https://www.aegfoundation.org/fund-drive/> and get a “Geologists are Essential Workers” magnetic bumper sticker!
- The [Tobacco Root Geological Society](#) field trip, Pocatello, ID area, is July 29-Aug 1. All are welcome. See <https://www.trgs.org/> for details and registration.
- **Next Board Meeting:** Tues., April 13, 5:30pm via Zoom.

**NWGS needs great people like YOU!**

## Photo Spotlight



*Patrick sampling one of the ghost whitebark pines at Timberline at Mount Hood, September 2003*

## About NWGS

The [Northwest Geological Society](#) is a non-profit educational organization which provides a forum for information and discussion on Northwest geology and related topics. The Society sponsors talks by leading academic and professional geologists at its monthly meetings, conducts field trips to locales of regional geologic interest, and publishes meeting summaries and field guides based on those activities. Membership is open to anyone interested in regional geoscience issues.

**Program meetings** are the 2<sup>nd</sup> Tuesdays, October through May. **Until we are able to meet in person again, meetings will be held via Zoom (link sent via email to members; nonmembers contact the NWGS Secretary). Anyone may attend the speaker the speaker program at no cost, and a reservation is not necessary.**

**Field trips (members only):** The Society sponsors two overnight field trips each year, in the fall and the spring, to locales of regional geologic interest. **(Suspended pending pandemic recovery.)**

**Membership** is open to anybody with an interest in geology. **Annual dues:** Professional: \$55; Student: \$10. **To join or pay annual dues:** go to [www.nwgs.org](http://www.nwgs.org), or mail a check or money order to [Northwest Geological Society](#), 4616 25<sup>th</sup> Ave NE #397, Seattle, WA. 98105. Please include your name, address, home phone, email, and employer/affiliation (if any).

## Recommended Readings

Yamaguchi, D.K., B.F. Atwater, D.E. Bunker, B.E. Benson, and M.S. Reid, 1997, Tree-ring dating the 1700 Cascadia earthquake. *Nature*, Vol. 389, pp. 922 - 923.

Davi, N.; Pringle, P.; Fiondella, F.; Lockwood, J.; Wattenburg, F.; Greidanus, I.; Fox S., 2018, TREX: Tree-Ring Expeditions: [link: <https://serc.carleton.edu/trex/index.html>]

Pierson, T.C.; Pringle, P.T.; Cameron, K.A., 2011, Magnitude and timing of downstream channel aggradation and degradation in response to a dome-building eruption at Mount Hood, Oregon: *Geological Society of America Bulletin*. v. 123, no. 1-2, p. 3-20. [link: [https://volcanoes.usgs.gov/vsc/file\\_mgr/file-61/Pierson%20et%20al%202011%20OM%20aggradation.pdf](https://volcanoes.usgs.gov/vsc/file_mgr/file-61/Pierson%20et%20al%202011%20OM%20aggradation.pdf) ]

Please send your reading recommendations to Newsletter Editor [Tom Bush](#).

To report a change of email or postal address or request to be removed from mailings, notify Membership Chair [George Bennett](#). Questions or comments? Contact President [Chris Kimmel](#).

## NWGS Board

President	<a href="#">Chris Kimmel</a> Landau Associates
President Elect	Open Please Volunteer!
Past President	<a href="#">Katie Brower</a> Nelson Geotechnical
Secretary	<a href="#">Amy Knudson</a>
Treasurer	<a href="#">Pam Osterhout</a> Floyd   Snider
At-Large Board Members	<a href="#">Maura O'Brien</a> Retired <a href="#">John LaManna</a> Retired

## Other Personnel

Membership Chair	<a href="#">George Bennett</a> Bennett Consulting
Field Trip Coordinator	<a href="#">Kathleen Goodman</a> , Wood PLC
Editor & Publications	<a href="#">Tom Bush</a> Pierce College Puyallup
Poster Chair	Open
Webmaster	<a href="#">Julie Masura</a> Univ. of Washington
Facebook Pagemaster	<a href="#">Eric Baer</a> Highline CC